

NOVEMBER/DECEMBER 2023

**CMB 51 — MEDICAL BACTERIOLOGY AND
MYCOLOGY**

Time : Three hours

Maximum : 75 marks



SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define Iatrogenic infection.
2. Mention any two type of sputum specimen.
3. Define pathogenicity.
4. Mention the any two antibiotics to control the *Streptococcus* species.
5. Write the any two symptoms of Treponemiasis.
6. What is the specific diagnostic test for Brucella?
7. What are the symptoms of Cryptococcus infection?
8. Define Ascomycetes.
9. What causes myotic mycetoma?
10. What do you mean by dimorphic fungi?

SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) Summarize the normal microflora in human body.

Or

(b) Give a brief note on nosocomial infection.

12. (a) Interpret the pathogenesis and laboratory diagnosis of *Shigella* infection.

Or

(b) Describe the morphology and cultural characteristics of *Corynebacterium diphtherium*.

13. (a) Summarize the general characteristics of *Rickettsia*.

Or

(b) Briefly explain about the morphological Characteristics and Laboratory Diagnosis of *Bordetella pertussis*.

14. (a) How can you detect fungi from clinical specimens? Explain it.

Or

(b) Classify the medically important fungi.

15. (a) Describe about the coccidioidomycosis disease.

Or

(b) List out the antifungal agents.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Give an account on collection, transport and storage of blood sample.

17. Discuss in detail about the morphology, pathogenesis, laboratory diagnosis and control of *Bacillus anthracis*.

18. Illustrate about the morphology, pathogenesis, laboratory diagnosis and treatment of *Vibrio cholera*.

19. Write an essay on Candidiasis Infections.

20. Explain the pathogenesis, laboratory diagnosis, treatment and control of *Epidermophyton*.